

REQUEST FOR ACCESS OF ABANDONED APPLICATION UNDER 37 CFR 1.14(a)

In re Application of

Application Number

07/621092

Filed

11/26/90

Group Art Unit

1812

Examiner

Wang

Paper No. 21

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I hereby request access under 37 CFR 1.14(a)(3)(iv) to the application file record of the above-identified ABANDONED application, which is: (CHECK ONE)

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Applicants respectfully request that the filing receipt be corrected to recite the correct filing date of November 26, 1990.

Respectfully submitted,

HOWSON AND HOWSON
Attorneys for Applicant

By Mary E. Bak
Mary E. Bak
Registration No. 31,215
Spring House Corporate Center
Box 457
Spring House, PA 19477
(215) 540-9200

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Apr. 06 1999 12:55PM P2



US005460950A

United States Patent [19]**Barr et al.**[11] **Patent Number:** **5,460,950**[45] **Date of Patent:** **Oct. 24, 1995****[54] EXPRESSION OF PACE IN HOST CELLS AND METHODS OF USE THEREOF**

[75] **Inventors:** Philip J. Barr; Anthony J. Brake, both of Berkeley, Calif.; Randal J. Kaufman, Boston; Louise Wasley, Medfield, both of Mass.; Patricia Tekamp-Olson, San Anselmo; Polly A. Wong, Mountain View, both of Calif.

[73] **Assignees:** Genetics Institute, Inc., Cambridge, Mass.; Chiron Corporation, Emeryville, Calif.

[21] **Appl. No.:** 885,972[22] **Filed:** May 20, 1992**Related U.S. Application Data**

[63] Continuation-in-part of Ser. No. 621,092, Nov. 26, 1990, abandoned, and a continuation-in-part of Ser. No. 620,859, Nov. 29, 1990, abandoned, and a continuation-in-part of Ser. No. 621,443, Nov. 29, 1990, abandoned, and a continuation-in-part of Ser. No. 621,457, Nov. 30, 1990, abandoned.

[51] **Int. Cl.^o** G12N 15/00; G12N 15/57; G12N 15/81; G12N 15/85

[52] **U.S. Cl.** 435/69.1; 435/69.6; 435/219; 435/226; 435/252.3; 435/320.1; 935/28; 935/32; 935/69; 935/70; 935/71; 935/60

[58] **Field of Search** 435/69.1, 219, 435/226, 252.3, 320.1; 536/23.2

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Primary Examiner—Robert A. Wax**Assistant Examiner**—William W. Moore**Attorney, Agent, or Firm**—Howson and Howson

[57]

ABSTRACT

Compositions and methods are provided for endopeptidase production and for enhanced efficiencies of processing heterologous precursor polypeptides to mature polypeptides, including proteins requiring gamma-carboxylation for biological activity. These compositions and methods utilize recombinant PACE, a mammalian endopeptidase that is specific for dibasic amino acid sites.

60 Claims, 12 Drawing Sheets